

492-510

 Always Bring this Book.



Mary H. L. Bryan

IN ACCOUNT WITH

Jacob L. Brown

CHOICE BEEF,

Mutton, Lamb, Veal, Pork,

HAMS, BACON, CORNED BEEF,

Tongues, &c.

POULTRY and GAME

IN SEASON.

Calc. .35 .53 .85 1.3 2.0 3.1 ratio .65
Found — .53 .85 — 2.0 3.7 ±

492

July 4/94

acumata on Intash, Ausable Lake, N.Y.

(see sh. hds) Last stage? July 25, 1894

(closely like young redcliffei before)

Hd brown at apices of lobes shading into
pinkish below, marked with black
spots especially on (S); a Δ patch on cell
sides & labrum nearly white. w. ^[24H. 1.45 3.7 ±] mm

Body soft green (not yellowish); a narrow
rather faint S d line just below ② en-
closes a velvety brownish black d. space
narrowed a little on the hump on 12
not reaching end of body. Spiracles
white with black rim. Claspers pinkish
hairs long with only 2 or 3 hairs black
from i-iii, pale from the rest. Long 1
hair from iv but many shorter ones
from v and vi also on base of foot and
leg plates. On 3-4 ① a black area
2 large hairs & several small ones

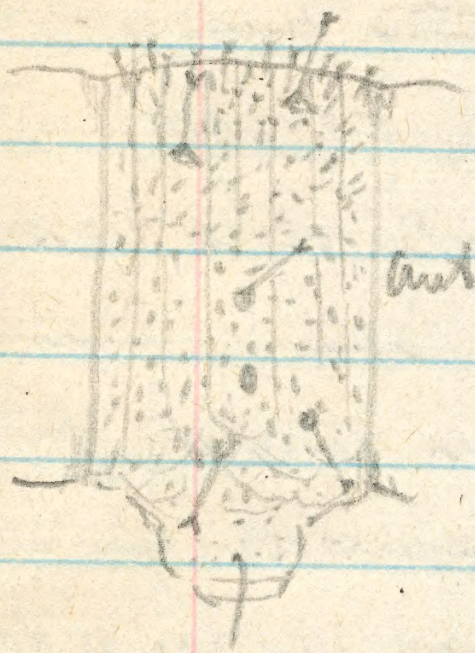
② sd in green ~~st~~; ③ sty. ant. with
2 or 3 hairs behind it (there are
2^d hairs on lobe except S-V) ④ S-V, a
good ant but some 2^d hairs around
it. Many hairs very long but
sparse. 12 quite pointed at
top of its slightly lumpy in profile.

May 29 1895 - Cut. w., 11560
Acronycta superans

Other Jefferson Highlands N.H. confounded with
young occidentalis (see 539 for stages II & III)
Hd. 2.0 Apices of lobes pale brown, dotted with
black down the face, but cut across in middle
by a pale whitish band connecting to pale D
Bd grey, a chocolate brown d. stripe (ii-ii)
narrow on 13 but reaching anal plate.
Broadened on 6th. Hair few, black & white.

(Gella 5)

493



Tripteron modesta (?) egg
on *Populus tremuloides*

Keele Valley, N.Y. July 25.

Elliptical, scarcely flattened
above, but distinctly so

at base; covered with

large coarse pits, the ridges between which
scarcely form reticulation. Size 2.2 x 2 x 1.8

Hatched July 25 Hd. brown, green, mouth black

Body green blackish ^{d.} from minute pile

Hairs quite long, ^{blackish} red. a yellow

sd line. Foot on 10 larger than the

others except anal. Foot plate is anal

U-shape. Eyes blackish. w. hd 1.5 ^(sh hd 1.2) ±

Body thickly covered with minute black Ys.

Other eggs on poplar Jefferson Highlands N.H. ^{Stage I} same

Later dark green sd line broad, very distinct

reaching base of horn & thence to anal plate

which it borders. Oblique line indicated

the one to horn rather distinct. Unusually dark green and sit on upper side of leaf.

July 7 Hd conical, subacute, higher than wide, green, not shiny with rather numerous high, distinct, conic yellow tubercles, one at vertex of each lobe largest, the pair not approximate. A faint yellow line down angle. w. mm. Body in general dark green rather blackish from horn, with 3 high collars of tubercles on thorax & a broad sd yellow line granular with pointed yellow tubercles which are larger on ant. edge of thorax, on 3 & 4 in the annulet bearing ia + it (= 3 collars) and along the sd & oblique lines sd broad, with yellow color oblique not strong both faint, 7 quite distinct to horn. Horn callos reddish, tuberculate. Annulet distinct, the feet reddish tipped. Oblique cross sd & run down back a little, only of tubercles. Setae short, black, numerous.

(not Y) not all from large tubercles, some from skin. 1st setae obscured, same size as 2nd but on 3 & 4 on collar a tubercle bears 2 setae (ia, it). Anal feet with pointed post. projection.

July 10 Dark velvet green, yellow granular. The line & collars on 3 & 4 high serrate ridges, yellow. Row of tubercles on ant. edge of 2 less distinct in comparison. Oites oblique line faint, but brighter than subdorsal, which is now nearly obsolete. Horn pale yellow, a dark dorsal mark at base in front. Hd with 2 yellow lines. Thor feet brown. Appearance as before matches beautifully in color the dark upper side of poplar; whereas there is another offspring without collar which matches the lower side and sits on it.) (Died 2-headed July 26)

494=72

Oreta rosea on Vaccinium Keene
Valley N.Y. July 25 1894

Stage hd. 6 apices of lobes produced into
conical point extending a little forward
angulately tubercular, clypeus more smooth
light yellow-brown, ocelli in a black
patch. Cth indicated the corner forming
rather prominent angles; anal pl. a long
cylindrical process (.12 mm) covered with
tubercles; a round tubercular elevation d.
on 4. Segs annulate densely covered with
large tubercles each with a short
stubby seta. Tubercles all white, the
body yellowish brown, shading into
dark brown on sv region and feet.
Stage hd. 4 Hd rounded, smooth, a conical
process growing out a little before apex
of each lobe. A few short clear
white setae. Surface a little punctured

(Some variation in degree of advancement
of head processes in this stage in different larvae)
uniform dark blackish brown. Processes
a little knobby, a seta at apex and one
each side base. On 2 a pair of slight
processes represent cth, and a single
d on 4 consisting of 4 or 5 tubercular
granulation. Tail conical (.6 mm) black
slightly spinulated. Segs 4-annulate
with rather few tubercular elevations
a little stubby seta on apex of each
a rather distinct sv ridge on 11-13. all
light brown, shading into blackish
brown sv. a narrow dark d. line.

There is a slight lateral excrescence on 2
besides the d. pair of points. That on 4 slight
Stage hd. 3 evenly rounded, smooth, black-
brown with a few short
pale swollen setae. Tail
short (.2 mm) black. a
distinct angulation of
skin represents each



ant. corner of csh; on 4 and a slight elevation. Body segs. indistinctly 4 annulate and very finely roughened with minute brown dots slightly elevated, otherwise smooth; setae normal, very short pale swollen at the end. Color otherwise brown, a darker d. and s-d lines narrowly indicated; s-v region a shade darker. Foot plates and tail black-brown. Rather prominent lateral ridges on H & T2.

Egg (shell) Elongate elliptical, flat above and below often concave. Reticulated irregular and indistinct, but with very evident pile at angles .8 x .4 x .3

July 29 Hd. .85, tail 2.8 Hd granular
with a prominent process on vertex of
each lobe, ^{reddish} brown. Body dense of coarse
white granulation pale above green
color, legs y-annulate brown

light brown, shading a little to
yellowish sd. Laterally and d. also
on 4 and 8 dark brown, thus shading
the pale d. color. Tail color of head
May 7 Aug 4 (sh. hd. 9) Hd 1.2, tail 3.8. As before
a narrow obscure dark brown d. line
Whole of thorax shaded with dark brown as
the pale color is confined principally to 2
prothor. 6-8 and 9-11. ^{2 apices of lobes} Horn reddish. Tail dark
brown annulate with a pale shade
Hibernated Aug 15 (see alcohol)

This is Calligya aurata!

HSB May 14
1902

495

Found on bushy hedges

Keene Valley N.Y.

Hatching from eggs

scattered 3 or 4 on back

of leaf July 26, 1894.

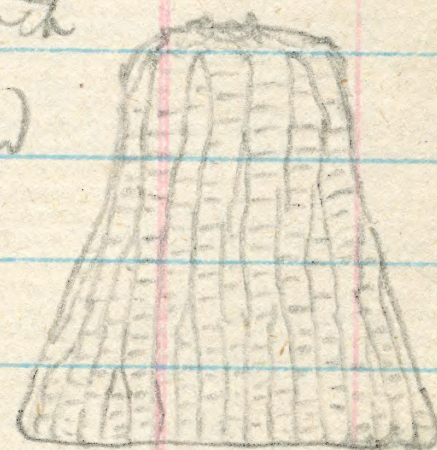
Larvae both

young and

old all

colored

the food



showing green. Cells

black mouth brown

Ant. ix and x closer in old

than young larva,

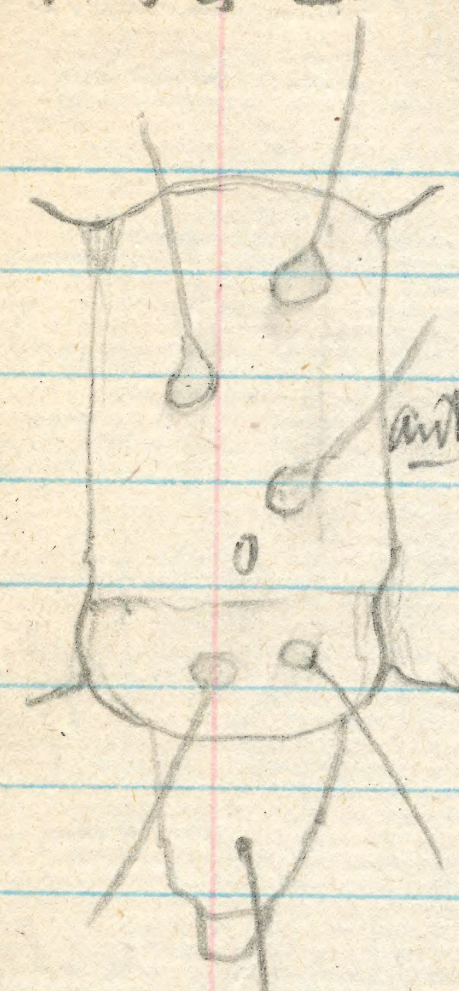
not consolidated

whitish with tinge of green

Later a brown d. line is d.

latter edged by long black

iii (i-iii black rest pale)



Stage I



Large larva

At yellowish white brown dotting

Calc. .35 .55 .87 1.45 2.2 3.5 7.63

Found .35 .5 .8 1.3-1.45 2.2 2.7-3.0

July 1894

496

Anterior history in tin can. All black
except a red dash below ③ and
a narrow indication of another between
② & ③. Body dotted with gray.
Warts very large, slightly shiny.
Hair bristles, rather short. Hd
pale in sutures, labrum white.

w. $2 \pm$ mm. Claspers pale. (Skhd/1.5)

Molt July 31 Same (shd 2.2) Hd corn 3±
Coon about Aug. 16

Imago April 25 1895 Cat no 11484

Spilosoma antipus ♀

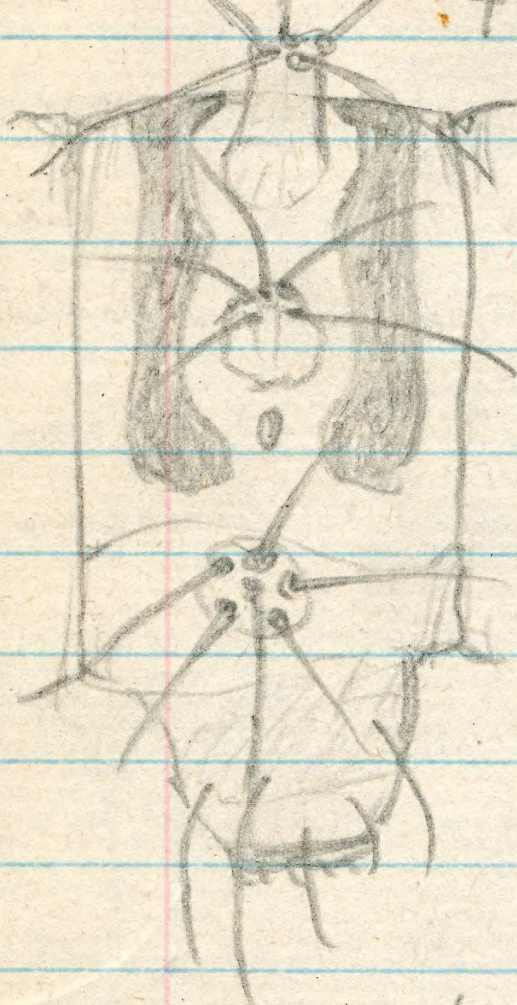
Egg from ♀ taken flying at Fort Lee, N. J. May 22 1896

Superficial, $\frac{2}{3}$ spherical, base flat - shining pearly white,
d. .75 mm. Reticulation blurred, as egg appears closely
covered with shallow pits smaller & more indistinct
towards micropyle. Hatched Apr 29 Hd bilobed, shiny black, w. .3 mm
Shield feet, legs & wings dusky blackish, the wings shiny
lustrous, body uniform whitish. Larvae all fall off on feeding com. late stage.
On 13 i-iii hatched. (vii) aged, viii present. Single hatched. Hair
parted

Later each day, obviously, rounded
trunks with down. 5.11.11 and 20.

Molt June 2 A large patch over each lobe and another on velle. shiny black, leaving a mid luteous pale; w. 5 mm. Body pale a brown trans. band on each seg. esp 5 & 11, the large vent

① Hair short, a few 3 post. longer all black. a few
 are trans. banded in inclines d. with pale yellowish
~~most June 12~~ Hdd 2+ (sh hdd 1.45) (sh hdd 1.3) Same no d.
 living others a new set of other banded in inclines
 21.30 28.10 28.10 28.10



Calisamia promethia

eggs and hatched
larvae received
from Mr. Doll
July 28 1894. Only
present 3 about
just like previous
with several
stiff spines on

vertex of each. Body yellowish
with 2 transverse black bands
per seg. Hd with 2 black bands

Blackish. Hair even, stiff, not very long, abundant.
Wants means a line trans; i very small, ii & iii large, vi med.
erect. Sky plate well haired black also 3 Csh small bisected
anal plate want like. ~~with~~ ^{with} ~~the~~ ^{the} ~~5~~ ⁵ ~~red~~ ^{red} pale, a large
black patch on each lobe w .8. Hair stiff black short
a whitish d. line, straight narrow, want large black
Bry pale ^{gray} incisures, brown between the incuts, especially
light reddish between iii & iv also between ii & iii; else
the brown is darker, adding steel to the want areas. Δ
high pale whitish dividing the black lobes, jaw brown.
Wants shiny bluish black. 5 all seemed darker than other
same like black now instead of pale as before.
Molt ~~10~~ ⁸ H 1.15 All black, trace of whitish d. line, red
darker below ii and iii, wants large. Δ suture brown.
In some d. line hardly to be made out at all. Aspl out
brown white dotted d. line broken into dots. Red below ii & iii.

498

Citharus regalis
egg from Mr. Doll
hatched July 29
1894. iv + v on
a single process

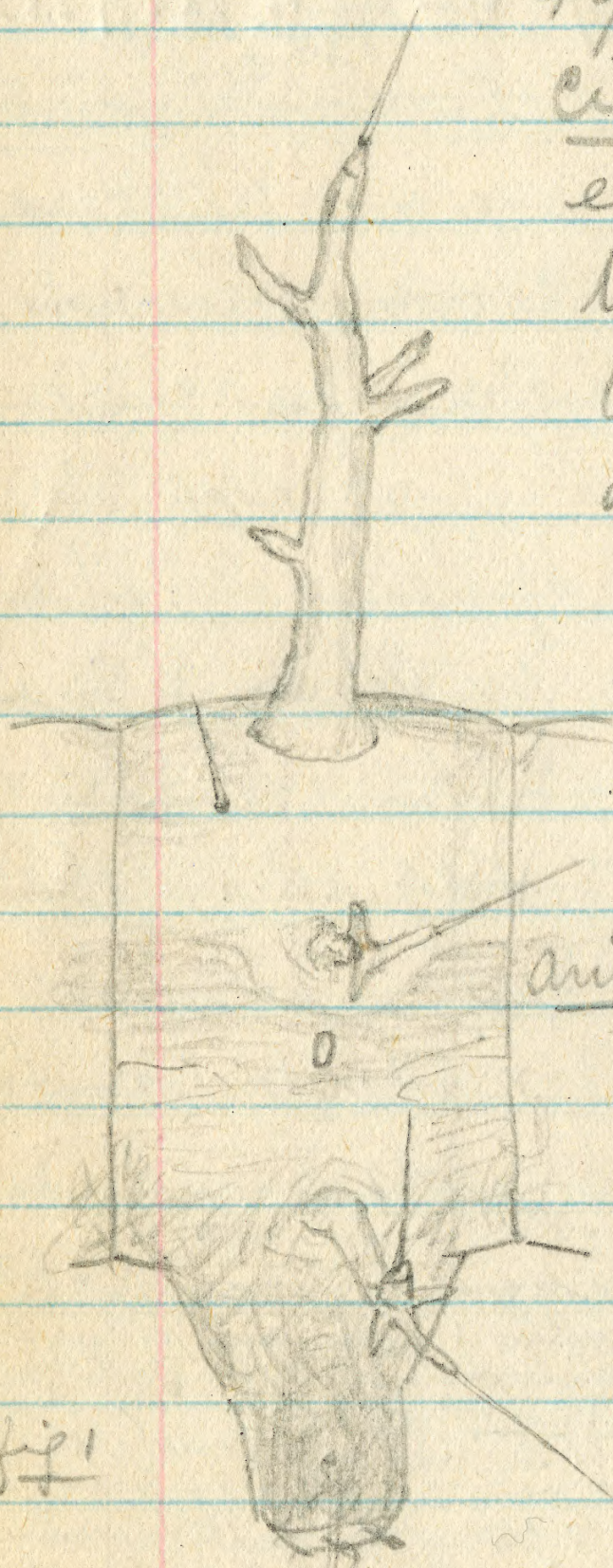


fig 1

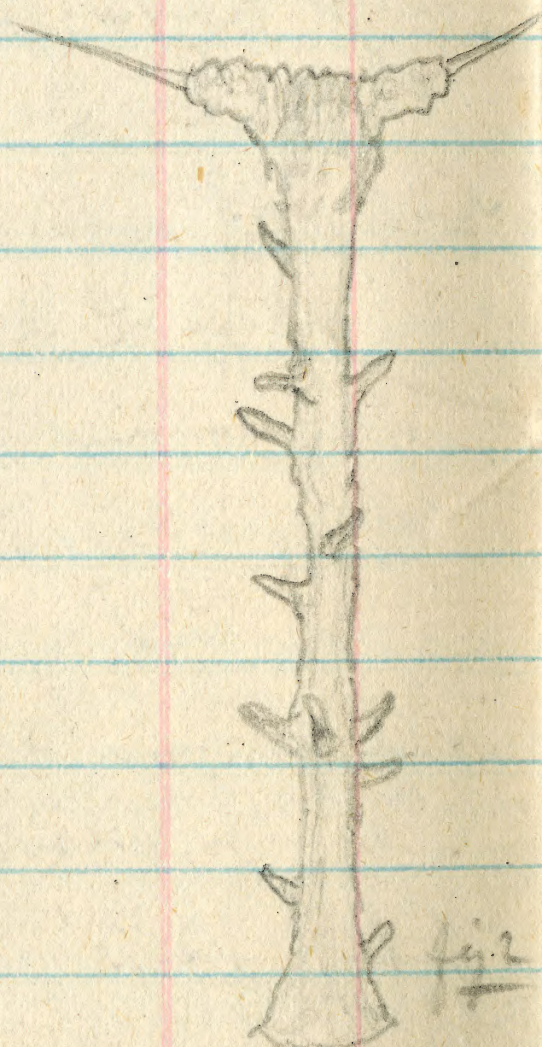


fig 2

a single one i + i on 12 like
fig 2. (See alcohol)

Process on
joint 12. (all
long thin
like it)

under lens ($\frac{1}{2}$ in) hd. faintly sta-
greenish with faint trace of the
upper festooned band; eyes in
black patch. Body slightly
whitish granular the setae
distinct colorless but shorter
than before their bases are
rounded by shiny areas. Sd set
tubercle on 2 dusky blackish.
vi & the 2 or 3 secondary subventral
present. iv & v seem nearly in
line. Water areas not at setae
but in folds of obscure annulet
and seg. incisures. Setae on 13
strong and distinct. shld. .5
July 30 June 3 Hd. .8 \pm same. Band
on head more distinct the spot on eye
elongating fore & back to form lower
band. Body immaculate except
black spots on 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

dots of about equal size. Leg white black

(504)

Larva crawling on a stump: stupid, does not hold on well.

Head green, with two yellow lines forming an angle near the top; these lines enclosing a reddish patch shading very dark at the apex of the lines.

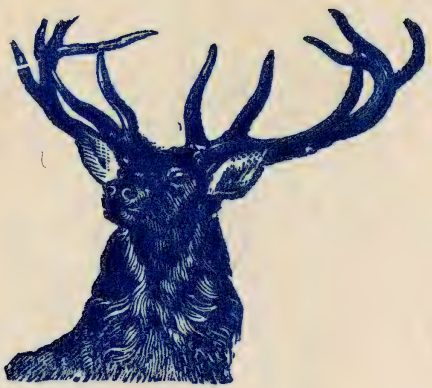
Body green with white dots except dorsally.

Yellow ^{sub} dorsal, ^[super] sub-stigmatal, lines, - stigmatal line white ^[underlined above] ~~placed~~ in the middle of each segment by purplish (or reddish) which encloses the black spiracles. Between sub-dorsal lines reddish purple ^[venter] ~~lateral~~ faint reddish. Feet reddish. Thoracic feet green. (2) without whitish dots.

Noctuid (?) on birch. Aug. 10. (503)

Head reddish: lobed; the ^[labrum] labium black.

Body black (like carbon). on the each segment dorsally, is a white raised patch divided in ^[transversely] the centre ^[i.e. by a black line] of the ground color showing through) except on first three and last two. - a yellow tip at the side ends of the patches from which extend long jet black processes enlarged at the ends. these reduced to rudiments on 3-4-11 - a double pair



THE ADIRONDACK HOUSE,

S. KELLEY,

PROPRIETOR.

Keene Valley, Essex Co., N. Y.

189

on (2). Its curled round, and looks as though he had big eggs laid on his back. I never saw anything like it.

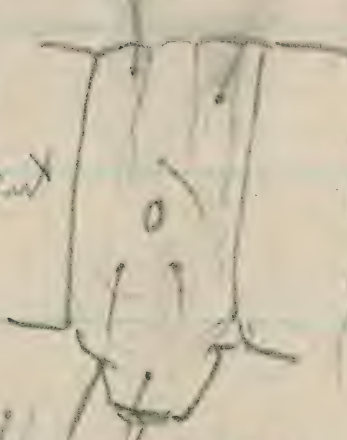
(505) Egg May 1895 Hatched May 21
collected in circle (?) apparently
complete but hard to see
no anal feet, 13 ending rounded
actiferous.

Throat probably
also normal but very hard
to see.

White mouth brown, eyes
large and black, w. between .25 & .3

Calc. .36 .51 .74 1.05 1.5 7/10

stitch leaves together & punk
joint 12 is cricically enlarged at
the sides, projecting beyond the
other segs. all anal soon full
of green food. May 31 erupted
all anal & all white except a
yellowish green that centrally. Head of
2nd June as before all transparent
mouth brown, eye black.



Larva
erupted
as in
max.
(Hatched)

under lens (1/2 in) had faint, the
greenish with faint trace of the
upper gestured band; eyes in
black patch. Body slightly
oblongish granular the setae
distinct colorless but shorter
than before their bases are
rounded by shiny areas. 5th setal
tubercle as 2 dusky blackish
v. 8 the 2 & 3 secondary subventral
present. 18 & 19 seem nearly in
line. Water areas not at setae
but in folds of globose annulets
and seg. incisions. Setae on 13-2
shiny level distinct. Hatched .5

2nd June 3 Hatched .8 ± Same. Band
in head more distinct the spot in eye
elongating fore & back to form brown
band. Body immaculate except
black spots on 2, greenish white
1st distinctly shiny green.
More brown the feet clear body flat
tapered 12 & 13 and slightly cricically
enlarged at the sides. Hatched .91 ±

Cynthia III molt Aug 30

~~yellow~~ ^{late white}; d. 5-d 1 strig. black
dots small, 2 per seg. Processes
with enlarged ends and 4-5-
long pale setae, radiant.

①-② ~~yellow~~ ^{white} with a white
fluffy bloom much shorter than
the hairs, ③ shiny black

⑤ 2-y very short, black with
corresponding spot on vth seg. Csh
anal plates yellow, the pair on
2nd anal missing. Hd yellow
a black spot on ocelli

Molt Sept 8 White, as before except

③ have white mealy top, black
on shaft. Setae small
slender, pale. Black dots small
Hd, Csh, top of 13, ^{anal plates} and feet yellow

498

Citharus regalis
egg from Mr. Doll
hatched July 29
1894. iv + v on
a single process



a single one i + i on 12 like
fig 2. (See alcohol)

Process on
joint 12. (all
long thin
like it)

499

Philosamia cynipis hatched from
egg sent by Mr.
Doll, Aug 1, 1894
i present, small
with several
setae, consolidated
on 12; a pair on
anal plate.
ii present; iv +
v with a few
secondary (?)
thin behind



it (w = vi?). No single tubercles
on 13. only two end, and pair on
anal plate. ^{hd 1.6 ±} molting 20. Hd yellow, eyes
black. Tubercles as before, black tipped,
pale pale. Body greenish yellow, the d.
s.d. & stig black patches reduced to
dots of about equal size. Leg plates black

500

Abies balsamea

Beautiful waterlily on balsam fir at
 Anzable Lakes, Aug. 3, 1894. Hd shiny
 green, jaws brown, w. $2.8 \text{ mm} \pm 12$ a little
 enlarged; setae normal, minute, dark.
 Body soft green, a little yellowish.
 A bright white, distinct even dorsal
 line, rather broad, a similar sub line
 enlarged in the center of each segment
 esp. centrally; a white stig. line,
 becoming yellow in incisures and
 edges above with dark crimson.
 A series of distinct yellow patches in
 base of foot, covering vi and covering edge
 on 3-11. The feet reddish, clasper
 of abd. pale. Lines all very bright,
 distinct and clear cut. Aug. 14

of Elema donkeyensis!

Larvae of Feralis picea from Dr. Seifert are
 like this. Setae normal. Headlocks ^{as above}

On 30x maple, Platteau, Sep 13
 " beech " Sep 14

501

Amph. eximius

Oct 13 1894

Very like Leptinoides but doesn't fit exactly.
Schizura on birch, Keene Valley, on Aug. 6 in
 stage III. Hd. $2.3 \pm$ High, slightly bilobed,
 flat before; solid whitish a vertical band
 composed of brown-black dots confluent in
 streaks, continuous on its post edge but
 inside breaking up and connected across the
 median suture by 3 more reddish but
 smaller bands which are indented on
 the suture and joining there under the
 elytra. Markings on side of head also
 reddish, dotted, confusedly broadly retic-
 ulate. Along sutures ^{extending forward} on 5, a
 slight one on 9 and a little larger one
 12, bearing a whitish. Side of 2-4 solid
 whitish ^{stip.} confusedly reticulate with
 bands of reddish dots which become
 blackish, forming a narrow stig. &
 dorsal band. Body pale brown, faint

marked with dots of red-brown or blackish, & distinct, pale yellow, with no enclosed dot. There is a velvet brown-black sd shade, irregularly touching the region of i and ii beginning in a narrow line on side of process on 5, becoming more & more pronounced post. till it fills in all the space above the V. 12 is again lighter, the brown shade forming a pair of narrow lines on the mid. side of hump but obtaining again on 13. Traces of a lat. ^{distinct s-s line} line but broken and diffuse. Abt. feet 7-10 pale, marked with reddish mottlings and the clasper various. Setae short, rather dark. An oblique brown line runs from base of horn on 5 to ant. side of foot on 7 and another s-v from below hump on 12 to post. side of foot on 10 and continued back s-v into anal foot.

Imago June 17 1893 ♂ Schizura epimia

green 5-8 tinged with pinkish
 11-14 Aug 18-19

much a
 but a
 process
 leaving
 touch
 w. hd 3
 trace
 hump a



BB501

Aug 21 1894

v. mark distinct pinkish with centering ^{but recesses narrow} red line, dorsal shade ^{more} olivaceous brown distinct only 9-13; ^{ant. base green on 10-11} 6-8 suffused with pink d. Area side of 2-4 and feet 7-10 below s-s line translucent white with sparse dotted brown reticulation. Horn 6 mm long, tapering distal shallowly 5-10 pale when fat so pale part of con. tract. Went down Aug 25. Another on Sideroxylon Plattsburgh, N.Y. Sept 12 '94. Same but occurred on green in d. patch.



BB501

Aug 21 1894

marked with dots of red-brown or blackish, & distinct, pale yellow, with no enclosed dots. There is a velvet brown-black sd shade, irregularly touching the region of i and ii beginning in a narrow line on side of process on 5, becoming more & more pronounced post. till it fills in all the space above the V. 12 is again lighter, the brown shade forming a pair of narrow lines on the mid. side of hump but obtaining again on 13. Trace of a lat. ^{a distinct repetitive line} line but broken and diffuse. Abt. feet 7-10 pale, marked with reddish mottlings and the clasper various. Suture shd. pattern dark. An oblique brown line runs from base of horn on 5 to ant. side of foot on 7 and another S-V from base of hump on 12 to post. side of foot on 10 and continued back S-V onto anal foot.

Imago June 17 1893 ♂ Schizura eximia

green 5-8 tinged with pinkish

Aug 14 -

much as before

but a pronounced

process on 4

leaving back to

touch horn on 5

W. hd 3.5 ±

Trace of

hump on 8

Stage IV

V. mark distinct pinkish with centering

red line, dorsal shade olivaceous brown

distinct only 9-13; 16-8 suffused with

pink d. Area side of 2-4 and feet

7-10 below S-S line translucent white

with sparse dotted brown reticulation

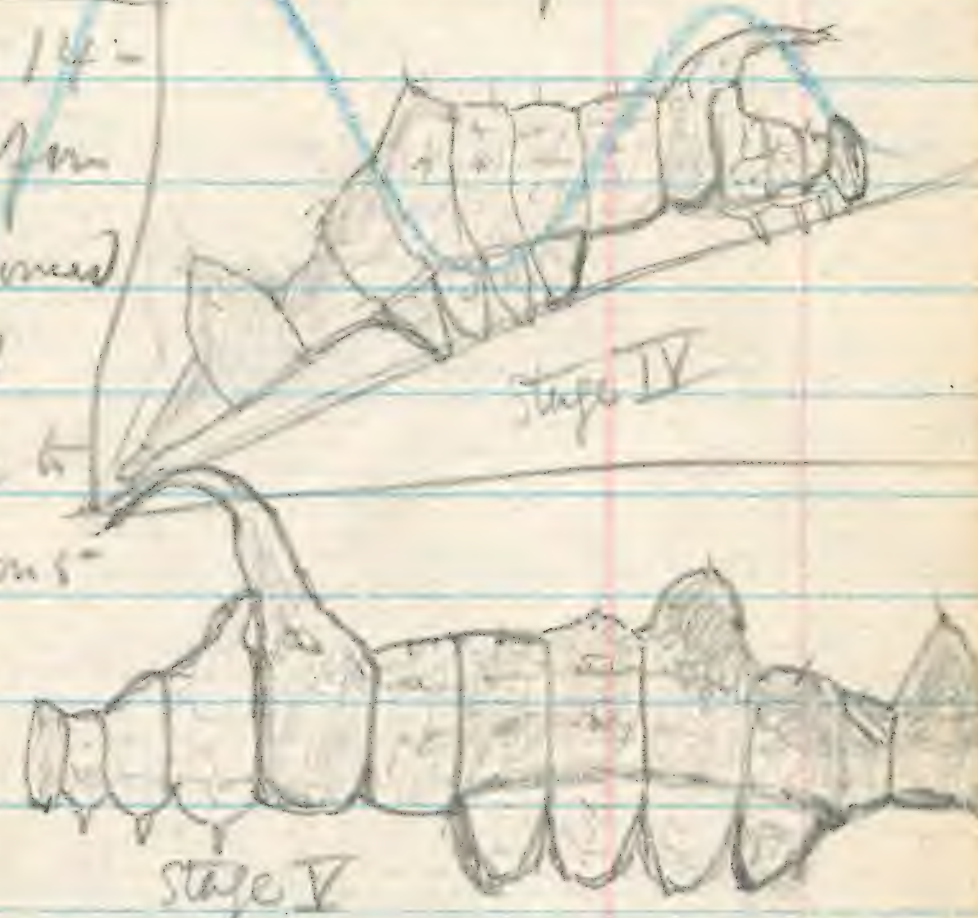
Horn 6 mm long, tapering distal-half slender

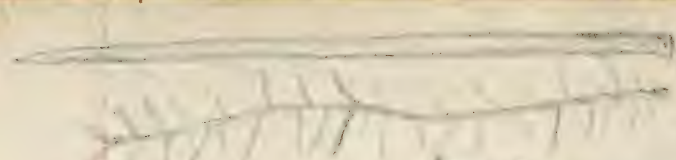
& to pale when fat so pale parts are

black. Went down Aug 25

Another on Sideroxylon Plattsburgh, N.Y. Sept 12 '94

same, but scarcely any green in d. patch



 bristle
feathery hair } ($\frac{1}{2}$ inch)
502

Acronycta like *Spilosoma* on *Populus tremuloides* Keene Valley, N. Y. Aug. 6, 1894
all of a peculiar pinkish brown with a diffuse smoky black dorsal band, widest in incisions and absent at the extremities. Hd slightly blackish rounded shiny, reddish brown. w. 2.8 mm. Rod slightly enlarged at 12, with several small, no 2nd hairs. Vents large, antenniferous with many bristly brown hairs and in addition on ①-③ on 4-10 and 12, fine, very feathery hairs of a pinkish brown, shorter than the bristles. Body pinkish brown, spiracles white with black rim. A few fine long hairs at ends and s-v. A red s-s band (along r) scarcely defined against the similar ground color. Lateral body a little grayish; a red patch below on 11. Cerv. ant. 15 (See figure below)

Others at *Platanus* N. Y., and to *Prunella* and *Larix* N. Y. (Sept 8)

503 May 5 1895

Mature

Like *vincens* in a

503

Acronycta funeralis on white birch. Yellow found. See note in text

Imago June 2 1895
Curtis 11562

in the yellowish below a line

(502 cont.)

Another? on cedar, Aug. 23, 1894
Hd shiny black with a brown
tint, labrum pale, W. 2.8 ±
Hair gray red, fluffy hair less
abundant than in 502, scarcely any
on 12. Red all shaded with
black except a series of ill
defined patches surrounding the
warts i-vi. Venter & feet also
blackish, the red 8-5 band
showing distinctly by contrast.

Imago May 19 1895

Cat. no. 11544

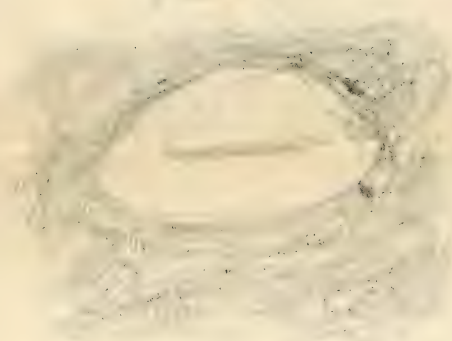
Acanthya operata

Proctid on birch Aug. 10 -
Adirondacks

Adirondack House,
Keene Valley, Essex Co., N. Y.
J. Kelley, Proprietor.



yellow scarp spots
elevated like this?



12 secondary hairs.
[2-13 and anal plate]
13 white patches - long hairs from all
[joints 3-4 & 11 and anal plate]
except the 2-3rd., 10. and last.
3 hairs from each spot (2 on the first
division - one very long) and 1 on the
second division. - no black line
dividing the first three or last two spots.

503

Acronycta funeralis on white
trich. Geller found. her note
written

Imago June 2 1895
Curtis 11562

bristle
feathery hair } ($\frac{1}{2}$ inch)

502

Acronycta like *Spilosoma* on *Populus tremuloides* Keene Valley, N. Y. Aug. 6, 1894
all of a peculiar pinkish brown with a diffuse smoky black dorsal band, widest in incisures and absent at the extremities. 40 slip (if bilobed) rounded girth, reddish brown w. 2.8 mm. Body slightly enlarged at 12, with normal if small no 2nd hairs. Warts large, Actinoblike with many bristly brown hairs and in addition on ①-③ on 4-10 and 12, fine, very feathery hairs of a pinkish brown, shorter than the bristles. Body pinkish brown, spiracles white with black rims. A few fine long hairs at ends and S-V. A red S-S band (along V) scarcely defined against the similar ground color. Later body a little greenish, and patch below on 11. cons. Aug. 15. (See for more)

Others at Keene Valley N. Y., and to 3000 ft. Pond, Maine and Sabagus Mts. (Sept 8)

505

May 5 1895



Like a virus in a house but with no anal feet, on *Corvus pennsylvanicus*, Keene Valley, Aug. 22 '94. House. Its leaves flat together just as they naturally overlap, united by a fine strong strand; occasionally the petiole on leaf partly covered. ^{other 1.5} Hol 1.3 mm bilobed, rounded, chrysois long shiny, sheen; color whitish, gray and a shade below apex of each lobe in front, yellowish brown, 2 trans. black bands connected by a strong band on the side of the head behind ocelli. Lower band from base of jaws to ocelli; upper above chrysois, but obsolete centrally in the yellow cloud below apex.

Byg with flattened

This first small, colorless, many
below abd 7-10 normal, no anal
feet, the fleshy plate produced in
a short conic process. Setae fine, short
and very obscure except on end of 13.
Skin smooth, translucent whitish
with a green shade dorsally especially
in d. vessel; tubercle line evident,
white. C-sh. hemispherical, whitish
shiny, gray shade at the lat. cor-
ners. Above before spiracle on 2 is
a shiny black elliptical spot (be-
longing 2 setae) ^{to which there must be a trace} [suggesting a parasitic
stage not 1. ^(sh. 1.75) same, but scarcely any
green tinge. white, not shiny. In
a few instances houses of leaf folded
up face inwards and fastened with
the short post-like strands
[their eggs? laid 2-7 together on under side
of leaf. Elliptical, much flattened

(Anges got 33 more in parvulus and
strobiliferus)

above & below. Reticulation narrow,
regular, somewhat rounded with
short pile into the angles. Surface
of the cells between seems smooth.]
Anges have had backs all suffused with
reddish pink to yellow. (but in both sides)
Pupa between leaves with a sort of
cocoon like house; dark brown or
light blackish tinged on the more
exposed parts especially sides and
a patch of white bloom on the
collar and vertex of head. 3 un-
der segments

Imago May 5 1895

Eudrilina bellineata

Cat. no. 11492

Sp. mated in box. ♀ laid 40 eggs night
of May 17-18 and only 3 May 18-19.
By May 20 laid 64 and took months.

506 = 411

Acronycta salicis Han. (Ent. con. pp. 314-5)

on alder, Keene Valley, N.Y. Aug. 23, 1894

40 shiny black, sutures of D above im-
pressed, broad, reddish. hind coxae
nearly white, a few bristly whitish

hairs. Body velvet black with a
reddish underground line & then appearing

S-V. Warts bright red, the color spreading
slightly from these bases, but concealed

by a transverse band. i large, the
ii which is only slightly past. iv minute

2 horn; vi stumpy; no secondary hair
a series of small, irregular shaped

white dots sd, on ant. & post. edges
of eggs. in line with i and ii and faint

trace of a lateral row, all becoming
less at extremity. A broad yellow

ss band, incised below spiracles
and often broken behind v. Hair

bristly, rather short, white; a few
longer ones ant, post. and S-V.

Feet black with white hairs,
i far apart, the d. space wide, all

black except when the trans. red
bands appear as a faint reddish

underground in center of each seg.
[very close to oblinita if not a var. of it]

It is just the same - see 411 and 30

Dolba hyalina? See Fernald p 49

507

Spring on direct fern, Dixfield Maine
Sept 3, 1894, ^{slightly} below 2, somewhat
conical, first before, deep velvet green
with rather sparse white elevated
dots; a yellow running vertical striping
bordered behind by a blackish shade
not quite attaining vertex; ocelli & feet
dark; w. 3.5 mm. Body not very distinctly
8 annulate, soft light yellowish green, a
shade darker s-v. Oblique line light pink
shading into crimson on and side
with a ^{obscure} very narrow yellow border on post side
continued faintly in dorsum by darker
greenish shades. Body dotted with yellow
indicating a sd line on 2-4. Spiracles
light orange. Horns and legs, tibiae
rounded, dark brown above, light brown
at sides shading to least oblique line
green below, its granules subspinose
The feet red brown, pale at base.

508

Ilex verticillata (swamp alder)

Spring on red-axillary-berry-acute-leaf-bush
by bank of Lake Webb Pond, Maine, Sept 4, 1894
Hd. slightly below 2, dark green, roughened with
darker elevated dots, no trace of lines.
Labrum pale, jaws black; w. 3.8 ± mm.
Body faintly annulate, soft leaf green, rather
dark and slightly yellowish, but over dor-
sum 5-12 shaded with yellow except
in a d. line and shades continuing the
oblique lines; dots white, small in
the yellow shaded part. Oblique line on
5 nearly obsolete, represented by only a
yellow shade. Line 6-11 pale lilac
bordered before with dark crimson of a
purplish shade, becoming yellow at the
upper & lower ends. Spiracles white with
near black center. Horns slaty blue, testacum
at tip with white spines. The feet yellow
at base, middle joint black, tip dark brown.

509

Slender noctuid eating flowers of aster near
Wells Pond, Maine. all very pale brown
whitish, head thickly covered with dark
brown flecks; w 1.5 mm \pm body long slender,
feet normal, setae distinct, black
normal, single; lines all concolorous
with the ground color except ^{dorsal &} sub stig,
which are pale yellow but not con-
trasting. Head narrow, parallel dark
brown lines, corresponding to borders
on both sides of broad d, s-d, lat,
and s-s bands with an additional
somewhat festooned one along vi.
The spaces between these hypothetical
bands are slightly narrower than the
bands, so that the lines come in pairs
ad-dorsal, superlateral, superstigmatal
and subventral most left to same Hd 2.1 \pm
Hd pale on lower half, whitish.

Black line as before; d. & s-s stripes
yellow, distinct. Sd space brown
brown, below that pale brown as before.
The brown shade extends to lateral line.
Later becomes beautiful; d line yellow, addorsal
fleshy thickly mottled with leader black
streaks, s-d dull indian red, superlateral
a little more pinkish, lateral pale
yellow, super stig, waxy, substig yellow,
s-v pinkish pale, venter white; all
separated by narrow black lines. Hd &
legs whitish like venter, the rest of hd
retaining its mottlings. Hd 3 mm (Sept 12)
Cocoon in ground of a soft fine web mulling
the earth together, lining of the cell
fine & webby, not a regular cocoon.
Died

Imago May 1 1895 Cat no 11489

570

Feb 17

Platyserma? on white pine, Dixfield Me
Sept 7. 1894. Hb white, so thickly dotted with
light reddish brown as to appear that color
leaving an irregular reticulated white line
each side median suture & a trans. one
on line of ocelli, which are black; w.

distinct warts, normal and a few fine 2^d
near esp. S-V, hair black i-iii, pale brown
i-vi all fine and rather short; on ① 2 & 3
and ii 5 and 12 a distinct black frenal

Body light pinkish brown, whitish dotted.

warts orange; an obscure white d
line and distinct S-S one incised for
spicules; an undulating row of black
dots laterally, 4 per seg. Spiracles white
surrounded by a smoky black shade.
Venter & legs a shade paler than d.
dusky marked in folds.

P. fuscilla Thaxter Papilio III 11

571

Cerura

